

ABSTRACT

The present invention relates to a heat-meltable fluoropolymer composite composition having excellent thermal conductivity, gas and chemical liquid barrier properties and dynamic properties such as storage modulus which comprises a
5 heat-meltable fluoropolymer fine powder and a layered-compound organized by treatment with tetraphenyl phosphonium ions. The present invention also relates to a heat-meltable fluoropolymer composite composition having similar properties to those mentioned above which is obtained by a process (I) in which a heat-meltable fluoropolymer composite composition is obtained by grinding and mixing a
10 heat-meltable fluoropolymer fine powder and a layered-compound and a process (II) in which such heat-meltable fluoropolymer composite composition thus obtained is melted and mixed under shear stress by means of a melt-mixing extruder.